

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L22	13	21 and (intermediate near1 frequency (IF))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:46
L21	14	20 and (((in\$1phase or in-phase) near5 quadrature) or (I near3 Q)) near5 component)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:46
L14	6269	(((in\$1phase or in-phase) and quadrature) or (I near3 Q)) near7 (add\$3 or sum\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:43
L20	15	18 and 19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:40
L19	178408	absolute near5 (component or value or number or logarithmic\$4 or log-based or log)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:40
S17 4	162873	absolute adj3 (component or value or number or logarithmic\$4 or log-based or log)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:39
L18	50	(wavefor\$3 or former) and 17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:38

## EAST Search History

L17	69	14 and 16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:38
L16	2190	11 and 12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:38
L13	469	11 same 12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:38
L15	14	13 and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:36
L12	27677	(RSSI or RSSI\$1signal) or (signal adj2 (strenght or indicator))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:34
L11	481544	synthesiz\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:34
L10	7	"5,978,664"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/17 07:33

## EAST Search History

S23 2	14082	receiv\$3 with ((signal near3 (strenght or indicator)) or RSSI)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 13:39
S23 1	204	multistage near3 limit\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 13:39
S21 0	91	S208 same S209	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 13:39
S23 0	24	S228 with S229	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:12
S22 9	567	MBMS adj1 service	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:12
S22 8	1233	dedicated adj1 service	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:12
S22 7	4	S226 and ((other or packet or circuit or dedicat\$3) near2 service)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:12

## EAST Search History

S22 6	7	S217 and S225	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:06
S22 5	13	S223 and S224	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:06
S22 4	13	S223 and (send\$3 near5 (message or (UE)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:06
S22 3	15	S213 and S222	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:05
S22 2	15	S213 and S221	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:05
S21 6	22	S215 and send\$3 near5 (message or (UE))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:05
S22 1	148	S219 and S220	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:03

## EAST Search History

S22 0	32017	non\$1access or stratum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:03
S21 9	29436	service adj1 request	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:03
S21 8	16	S216 and S217	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 10:02
S21 7	4723	((User near1 Equipment) or UE) near5 (message or service or MBMS)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:52
S21 5	30	S213 and S214	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:49
S21 4	2522	MBMS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:40
S21 3	416	rout\$3 adj1 area adj2 (update or request)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:40

## EAST Search History

S21 2	1	S210 and S211	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:04
S21 1	14082	receiv\$3 with ((signal near3 (strenght or indicator)) or RSSI)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:04
S20 9	3983	((in\$1phase or in-phase) near5 quadrature) or (I near3 Q)) near3 (add\$3 or sum\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:03
S20 4	207818	((in\$1phase or in-phase) and quadrature) or (I nea1 Q)) near3 (add\$3 or sum\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:03
S19 1	48407	(signal near3 (strenght or indicator)) or RSSI	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:03
S20 8	586784	equal\$4 near3 (amount or portion or proportion or value or magnitud\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:02
S20 7	311	S191 and S206	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:02
S20 6	13976	S204 and S205	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:02
S20 5	492957	equal\$4 near3 (amount or portion or proportion or value or magnitud\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:02

## EAST Search History

S19 7	129	equal\$4 near3 (amount or portion or proportion or value or magnitud\$3) near2 (algebraica\$4 or mathematic\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:01
S20 3	207155	((in\$1pahse or in-pahse) and quadrature) or (I nea1 Q)) near3 (add\$3 or sum\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 09:00
S20 2	20	S187 and S198	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:56
S20 1	0	S193 and S198	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:48
S20 0	0	S198 and ((RX\$1I and RX\$1Q) or (I\$1RX and Q\$1RX))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:48
S19 9	1	S191 and S198	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:47
S19 8	116	(sum\$4 or add\$3) and S197	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:47
S19 0	1	equal\$3 near5 ((RX\$1I and RX\$1Q) or (I\$1RX and Q\$1RX))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:47

## EAST Search History

S17 5	198399	(sum\$4 or add\$3) with equal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:47
S19 6	47	equal\$4 adj2 (amount or portion or proportion or value or magnitud\$3) adj3 (algebraica\$4 or mathematic\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:46
S18 2	100692	equal\$4 with (amount or portion or proportion or value or magnitud\$3) with (algebraica\$4 or mathematic\$4 or signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:44
S19 5	6	("5486843").URPN.	USPAT	OR	ON	2007/08/16 08:26
S19 4	0	S192 and S193	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:21
S19 3	204	multistage near3 limit\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:21
S19 2	292	S184 and S191	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:21
S18 9	0	S186 and S188	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:18



## EAST Search History

S18 8	3045	S187 and S185	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:18
S18 7	185480	absolute near5 (RSSI or value or function or term)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:18
S18 6	9	(sum\$4 or add\$3 or combin\$3) with ((RX\$1I and RX\$1Q) or (I\$1RX and Q\$1RX))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:18
S18 5	25954	(determin\$3 or measurment\$3 or calculat\$3 ) near5 ((signal near3 (strenght or indicat\$3)) or RSSI)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:18
S18 4	292	S180 and S183	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:16
S18 3	17469	S182 with (add\$3 or sum\$4 or process\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:16
S18 1	14	S179 and S180	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:13
S18 0	21258	signal adj2 (strenght or indicator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:08
S17 9	505	S177 with signal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:08

## EAST Search History

S17 8	0	S173 and S177	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:07
S17 7	1850	S174 with S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:07
S17 6	2775	S174 same S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:07
S8	21	((sum\$4 or add\$3) same ((first or second) with (value or signal or component)) ) and ((signal adj2 (strenght or indicator)) and (quadrature adj2 (signal or component)) and (((first or second) near3 (value)) with (quadrature or component or signal)))) and (in-phase or pahse)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:06
S15	119444	absolute with (component or value or number)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:05
S17 3	1	S172 and (quadrature near3 (signal or component))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:03
S16 8	47167	quadrature near23 (signal or component)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/16 08:03
S17 2	4	("3617717").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/16 07:55

## EAST Search History

S17 0	133	S167 and S169	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:34
S17 1	24	S170 and limiter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:18
S16 9	316	S168 and S164	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:18
S16 2	184777	absolute near5 (RSSI or value or function or term)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:18
S16 7	519279	equal\$4 near3 (proportion or amount or value or component or magnitud\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:16
S16 6	2	S160 and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:03
S16 5	0	S160 and S164	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:03

## EAST Search History

S16 4	3028	S162 and S159	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:03
S16 3	2978	S158 and S159	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:03
S15 8	180452	absolute near5 (RSSI or value or funtion or term)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:02
S10 8	23120	quadrature adj2 (signal or component)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:02
S16 0	9	(sum\$4 or add\$3 or combin\$3) with ((RX\$1I and RX\$1Q) or (I\$1RX and Q\$1RX))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:01
S15 4	2	equal\$3 with ((RX\$1I and RX\$1Q) or (I\$1RX and Q\$1RX))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 10:00
S15 9	25846	(determin\$3 or measurment\$3 or calculat\$3 ) near5 ((signal near3 (strenght or indicat\$3)) or RSSI)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 09:55

## EAST Search History

S53	28861	(determin\$3 or measurment\$3 or calculat\$3) with (signal adj2 (strenght or indicat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 09:54
S15 7	112	S144 same S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:44
S15 6	44	S139 and S155	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:44
S15 5	258080	approximately near2 equal\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:42
S15 3	1	equal\$3 near5 ((RX\$1I and RX\$1Q) or (I\$1RX and Q\$1RX))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:41
S15 2	1	equal\$3 near3 ((RX\$1I and RX\$1Q) or (I\$1RX and Q\$1RX))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:41
S13 9	139	(RX\$1I and RX\$1Q) or (I\$1RX and Q\$1RX)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:40
S15 1	6	("5338985"   "5603112"   "5901347"   "5978664"   "6081697"   "6311049").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/27 07:36

## EAST Search History

S15 0	0	S139 and S149	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:30
S14 9	65	S144 and S148	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:30
S14 8	311	S142 and S147	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:29
S14 7	14645	S146 with sum\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:29
S14 6	381949	equal\$4 near3 (value or threshold or portion or segment or proportion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:29
S14 5	5	S143 and S144	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:28
S14 4	48135	(signal near3 (strenght or indicator)) or RSSI	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:24
S14 3	75	S141 and S142	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:23
S14 2	22873	quadrature adj2 (signal or component)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:23

## EAST Search History

S14 1	113	S140 and (absolut or value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:23
S1	13577	signal adj2 (strenght or indicator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:23
S14 0	132	S139 and (equal\$4 or sum\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/27 07:22